



PO No	Supplier	Line Item No	Ref No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Pa D
PO039156	ACI001-VC	9	1	Net 30	M6061T6S2.250X13.500	6061-T6 Sheet 2.250" Thick x 13.500" Wide : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A- 250/11 OR AMS-QQ-A- 250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209					6	3/7/2018	6	S050940	Stock	3/13/2018	\$ 171.32 / ft	0	

Plex 3/13/2018 3:17 PM Dart.Dubois.Pascal



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER PO039156

**Supplier:** ACI001-VC  
Acier Ouellette Inc.  
935 Boul. Du Havre  
Valleyfield  
QC  
J6S 5L1 Canada  
Phone: 800 667 4248  
Fax: 450 377 5696

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**PO No:** PO039156  
**PO Date:** 3/1/18  
**Due Date:** 3/7/18  
**Purchase Order Revision:**  
**Revision Date:**  
**Ship-To Contact:** Lavoie, Chantal  
Phone: clavoie@dartaero.com  
**Via:** Ground  
**Pymt Terms:** Net 30  
**Freight Terms:**  
**Special Comments:** quote no: sou0088895, sou00888998

*REVISED*

**E-MAILED**

MAR 02 2018

## Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	MT-HRS-P-0.500		Hot Rolled Steel Plate 0.500" (44W) receive sf	Firmed	3/7/18	32 sf	0 sf	32	MAR 05 2018	\$421.35
<b>Line Item Note:</b> note: please cut sheet in two										
2	M6061T6B0.500X00.500		6061T6 Bar 0.500 X 0.500 Firmed : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	3/7/18	12 ft	0 ft	12 ft	\$0.8575/ft	\$10.29	
<i>20</i>										
3	MT-4140-B-2.250X8.000		AISI 4140 Steel Bar : Material: AISI 4140 STEEL BAR AS PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MIN. ROCKWELL C = 28 RC MAX. ROCKWELL C = 32 RC  NOTE: cut material in 12" length	Firmed	3/16/18	6 ft	0 ft	6 ft	\$153.73166/ft	\$922.39

## PURCHASE ORDER

## Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	MT-4140-B-0.500x3.500		4140 Steel Bar 0.500 X 3.500 : AISI 4140 STEEL BAR PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MINIMUM ROCKWELL C = 28 RC MAXIMUM ROCKWELL C = 32 RC receive ft	Firmed	3/7/18	6 ft	0 ft	6 ft	\$27.50/ft	\$165.00
5	MT-HRS-P-0.250		Hot Rolled Steel Plate 0.250" (44W) : Hot Rolled Steel Plate 0.250" thick	Firmed	3/7/18	32 ft	0 ft	32 ft	\$6.33188/ft	\$202.62
Line Item Note note: please cut sheet in two										
6	MT-4140QT-R1.750		AISI 4140 Quenched & Tempered Steel Round Bar 1.750" Dia. : AISI 4140 Q&T Round Bar : MAT'L: AISI 4130 QUENCHED & TEMPERED ROUND BAR AS PER ASTM 4140 QT OR ASTM 4142 QT	Firmed	3/7/18	12 ft	0 ft	12 ft	\$18.07666/ft	\$216.92
7	MT-4140QT-R2.375		MT-4140 QT-R2.375 : MAT'L: AISI 4130 QUENCHED & TEMPERED ROUND BAR AS PER ASTM 4140 QT OR ASTM 4142 QT	Firmed	3/7/18	12 ft	0 ft	12 ft	\$46.6666/ft	\$560.00
8	M4140N-R0.750		4140 Steel Round Bar 0.750" receive ft	Firmed	3/7/18	12 ft	0 ft	12 ft	\$2.4925/ft	\$29.91
9	M6061T6S2.250X13.500		6061-T6 Sheet 2.250" Thick x 13.500" Wide : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209	Firmed	3/7/18	6 ft	0 ft	6 ft	\$171.315/ft	\$1,027.89
										Grand Total: \$3,556.37
Order Notes										

3/2/2018

## Order Notes

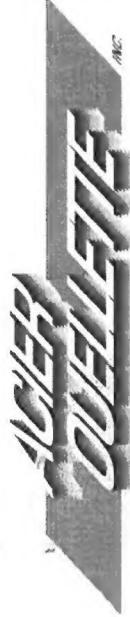
Procurement Quality Clauses  
A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents  
A048 counterfeit parts avoidance, detection, mitigation and disposition program  
A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 3/2/18 8:40 AM *dart.lavoie.chantal*

# DELIVERY - CLIENT

Copy CO00076623



## ACIER OUELLETTE INC.

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Billed to  
DART AEROSPACE LTD

1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Instruction F-M

Product Description	Weight	Qty	U/M	PCS NB						Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C	OUT		
1 PLATE 4140 HT 1/2 RANDOM NS P4140-12HT-V 8509 3 3/8 1 X 3 1/2" X 72" HEAT: 300536 AC14005-FU-12/03	35.73	1.75	PI2-\$CLB		14								
2 ALU PLATE 2 1/4 6061-T651 RANDOM PAL-2146061-V 7464 1 X 13 1/2" X 72" HEAT: 651215 AC14006-TH-07/03	216.88	6.75	PI2-\$CLB		14	72		61					

Conditions :

All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days from this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Total Weight (Lbs) : 252.61

NJR : R-109516-6

Shipped to  
DART AEROSPACE LTD

, Ontario,  
Carrier  
OUELLETTE VALLEYFIELD

Salesman  
Credit Terme

Page  
Net 30 Days

Delivery Route  
5

Customer N°  
039156

Customer N°  
CLI0001056

Date  
2018/03/01

Delivery date  
2018/03/13

Your order N°  
039156

Processed by  
Josianne Bourdon

Prepared By :	Verified By :	Delivered By :	Time :
Customer's Signature			Date

Total (\$CAD)

180213

Customer's Signature

Date

180213

**Chemical certification**  
**Certification chimique**

Order Num / No. Commande AC-14005	Vendor / Fournisseur 46	Country of origin / Pay d'origine SLOVENIA	Date 08/31/17	Heat / coulée 300536 <i>ad</i>	Material ID # / No. matière
Grade / Nuance 4140 PLT <i>ad</i>	Conditions HEAT TREATED				
Shape / Forme FLAT	Size / Dimension 0.500	Specifications ASTM A829/A829M			

Chemical composition / Analyse chimique					
Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)		
Mini / maxi 0.3700 / 0.4400	0.1500 / 0.3500	0.6500 / 1.1000	0.0100 / 0.0190		
Actuel % 0.410	0.226	0.743	0.007		
Sulphur (S)	Chromium (Cr)	Nickel (Ni)	Molybdenum (Mo)		
Mini / maxi 0.0200 / 0.0400	0.7500 / 1.2000	0.1000 / 0.2000	0.1500 / 0.2500		
Actuel % 0.001	0.950	0.530	0.180		
Cooper (Cu)	Vanadium (V)	Aluminum (Al)	Tungsten (W)		
Mini / maxi 0.1900 / 0.2900	0.0400 / 0.0500	0.0000 / 0.0000	0.0000 / 0.0000		
Actuel % 0.183	0.032	0.032	0.000		
Cobalt (Co)	Titanium (Ti)				
Mini / maxi 0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	
Actuel % 0.000	0.000	0.000	0.000	0.000	

Mechanical properties / Propriétés Mécaniques					
Yield strenght / Élasticité	Tensile / Rés. à la traction	Elongation / Allon (%)	Red. of area / Surface (%)	RC	Surface Hd / Dureté
0.000	PSI	0.000	PSI	0.00	305 BHN

**Note:**

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material

Nous certifions que les données ci haut ont été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.

*J.M.*  
Prepared by / Préparé par:

7.16.623

P0.14006



## INSPECTION CERTIFICATE № 17.145845

EN 10204 - 3.1

Consignee: KAMENSK URALSKY METALLURGICAL WORKS 5, Zavedenskaya Str., Kamensk Uralsky, Sverdlovsk Region, 623405, Russia Tel: +7 (3439) 39 54 17 Fax: +7 (3439) 39 52 49		JOINT STOCK COMPANY									
Buyer: A.S. Mill Products, Inc.	Quantity, pcs:	2									
Consignee: A.S. MILL PRODUCTS, INC.	Net Weight, kg.:	1425									
P.O. No:	S.O. No:	N17474									
Article No:	Item No:	2.10									
	Package No:	619022									
Description of Goods: Plates		Requirements on the Product:									
Grade of Product	Dimensions, inch (mm)	Material conforme to quality of alloy: 6061 T651									
-	2.25"X48.5"X144.5" 57.150X1231.5X3670.3	Product conforme to all requirements of: ASME SB-203 Section II Part B (2010); ASTM B209-14; SAE AMS-QQ-A-250/1A (2008); SAE AMS 4027 Rev. N (2014). This product conforms to European Union RoHS Directive 2011/65/EU									
Mechanical Properties											
The Condition of Tested Standards	Lot No.	Heat lot No.	HT Charge No.	Sampling direction	Tensile Strength, Rm / Cut test		Yield Strength, Rp0.2% / Clenching test		Elongation, %		Hardness, HBW
					min	max	min	max	min	max	
Required				LT	42.0	-	35.0	-	6	-	
-	851215	13-2532	11140	LT	44.4	44.7	40.5	40.9	10.8	13.2	-
Chemical Composition, %											
Element	Silicon Si	Iron Fe	Copper Cu	Manganese Mn	Magnesium Mg	Chromium Cr	Zinc Zn	Titanium Ti	-	-	-
Required	0.40 - 0.8	0.7	0.15 - 0.40	0.15	0.8 - 1.2	0.04 - 0.35	0.25	0.15	-	-	-
Contents	0.82	0.32	0.17 - 0.18	0.10	0.9	0.06	0.09	0.08 - 0.09	-	-	-
Element	-	-	-	-	-	-	-	-	Other Elements		Aluminum Al
Required	-	-	-	-	-	-	-	-	0.05	0.15	remainder
Contents	-	-	-	-	-	-	-	-	0.05	0.15	remainder
Other Tests											
Method	Macro-structure	Micro-structure	UT	KIC	Electro-conductivity, IACS%	SCF	Contents H2 of metals cm3/100gr	Raw material used for manufacturing supplied products was tested for compliance with international radiation safety regulations during incoming inspection. Russia is country of melt and manufacture.			
Result	-	-	-	-	-	-	0.24				

On behalf:

KUMZ J.S.C.

Date:

30.11.2017

QCB Inspector

Gureva V.N.

Inspection Department Engineer

Alahina N.V.



The Certificate has been agreed electronically.

Form № QAD/3-003, Revision 03

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M60617652, 230X13.500

PO / BATCH NO.: 039156/5050940

DATE: MAR 13 2018

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 61  
 QUANTITY INSPECTED: 61  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.250  
 THICKNESS RECEIVED: 2.250  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<u>Y</u> <u>N</u>	
CORRECT FINISH	<u>Y</u> <u>N</u>	
CORROSION	<u>Y</u> <u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u> <u>N</u>	
CORRECT MATERIAL PER M-DRAWING	<u>Y</u> <u>N</u>	<u>AMS-QQ-A-850/11</u>
CORRECT THICKNESS	<u>Y</u> <u>N</u>	
PHOTO REQUIRED	<u>Y</u> <u>N</u>	
CORRECT REF # TO LINK CERT	<u>Y</u> <u>N</u>	<u>Heat # 651215</u>
CORRECT MATERIAL IDENTIFICATION	<u>Y</u> <u>N</u>	
CORRECT M# ON THE MATERIAL	<u>Y</u> <u>N</u>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<u>Y</u> <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<u>Y</u> <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u> DATE: <u>9-89 MAR 13 2018</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

**SPECIFICATION CONTROL DRAWING**

PURCHASE MATERIAL: 6061-T6/T62 ALUMINUM SHEET  
SPECIFICATION: QQ-A-250/1 OR AMS-QQ-A-250/1  
OR AMS-T425 OR AMS 4027  
OR MIL-L-8525

PART NUMBER:

WHERE "XXX" = SHEET THICKNESS (IN INCHES)  
EG. 0.063" THICK SHEET = M6061T6S.063

06061-T6/62 ALUMINUM SHEET  
QQ-A-250/11 OR AMS-QQ-A-250/11  
OR AMS 4025 OR AMS 4027  
OR ASTM B209  
06061-T6S XXX  
THK |  
WHERE "XXX" = SHEET THICKNESS (IN INCHES)  
EG. 0.063" THICK SHEET = M6061-T6S.063

RELEASED  
2009-09-10  
M

B	REFORMAT DNG. ADD B209 SPEC (ZN D8-1), REF PAR 08-020A	CP	09 07 13
A	NEW ISSUE	DS	01 06 08
REV.	DESCRIPTION	BY	DATE
DESIGN	<b>DART AEROSPACE LTD</b>		
DRAWN	HAWKSBURY, ONTARIO, CANADA		
CHECKED	DRAWING NO.		
MFG. APPR.	M6061T6S		
APPROVED	TITLE		
DE APPR.	606-1-T6 SHEET SPEC		
DATE	09.07.13		

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